

## STATIONARY CAPILLARY ELECTROPHORESIS SYSTEM

## ABSTRACT OF THE DISCLOSURE

5       A system and method for capillary electrophoresis are provided for analyzing a  
macromolecule prepared from a complex liquid mixture. In particular applications,  
methods and apparatus are provided for separating and analyzing a solution containing a  
denatured macromolecule by employing a stationary capillary electrophoresis  
apparatus. An apparatus for capillary electrophoresis includes an inlet chamber and a  
10   capillary electrophoresis column. One end of the column is fixed at the interior of the  
inlet chamber. The column has a length of at least about 20 centimeters. Also included  
is a liquid source adapted for automatic control. The liquid source supplies a liquid  
sample through an input valve into the inlet chamber so that the sample is in fluid  
communication with the end of the column. A method for capillary electrophoresis  
15   includes automatically supplying the liquid sample to the apparatus.